

Purchase Order Receipt Listing

Monday, April 10, 2017 10:42:02 AM

All amounts are calculated in domestic currency.

All Vendors PO ID po35853 Receipt Dates from 4/10/2017 to 4/10/2017 All Line Item Types
All Item ID/GL/VOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO35853	1		M304B1.000X1.000 f	f	4/10/2017 12.0000	4/10/2017 PLOU01	12.0000	\$14.79	0.0000	0	\$177.49
CAD	No		304 bar 1.00 x 1.00 f	f	12.0000	PLOU01		\$177.49	0.0000	0	
			m137263								
	2		M304R0.375	f	4/10/2017 24.0000	4/10/2017 PLOU01	24.0000	\$1.72	0.0000	0	\$41.32
	No		304 ROUND BAR 0.375	f	24.0000	PLOU01		\$41.32	0.0000	0	
			m137263								
	3		M304S11GA	sf	4/10/2017 40.0000	4/10/2017 PLOU01	40.0000	\$9.95	0.0000	0	\$398.19
	No		304/316 0.125 Sheet	sf	32.0000	PLOU01		\$398.19	0.0000	0	
			m137263								
	4		M304S16GA	sf	4/10/2017 120.0000	4/10/2017 PLOU01	120.0000	\$4.01	0.0000	0	\$480.94
	No		304/316 Sheet .063	sf	120.0000	PLOU01		\$480.94	0.0000	0	
			m137263								
	5		M304S20GA	sf	4/10/2017 64.0000	4/10/2017 PLOU01	64.0000	\$3.60	0.0000	0	\$230.35
	No		304/316 .040 Sheet	sf	64.0000	PLOU01		\$230.35	0.0000	0	
			m137263								
	6		M5052H32S.080	sf	4/10/2017 32.0000	4/10/2017 PLOU01	32.0000	\$2.63	0.0000	0	\$84.15
	No		5052-H32 .080 Sheet	sf	32.0000	PLOU01		\$84.15	0.0000	0	
			m137263								
	7		M6061T6B0.750X01. f	f	4/10/2017 12.0000	4/10/2017 PLOU01	12.0000	\$4.22	0.0000	0	\$50.67
	No		500	f	12.0000	PLOU01		\$50.67	0.0000	0	
			6061-T6 Bar .750 X 1.50	f							
			m137263								
	8		M6061T6R0.625	f	4/10/2017 12.0000	4/10/2017 PLOU01	12.0000	\$3.44	0.0000	0	\$41.32
	No		6061-T6 Round Bar .625"	f	12.0000	PLOU01		\$41.32	0.0000	0	
			m137263								

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Vendor Name	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VC-COP001 Thyssenkrupp Materials CA Ltd												
PO35853	9	No		M6061T6R0.750 f	12'	4/10/2017	4/10/2017	24.0000	\$1.96	0.0000	0	\$46.96
CAD				6061-T6 Round Bar .750"		24.0000	PLOU01		\$46.96	0.0000	0	
				m137263								
	10	No		M6061T6S.080 sf		4/10/2017	4/10/2017	96.0000	\$3.11	0.0000	0	\$298.90
				6061-T6 .080 Sheet		96.0000	PLOU01		\$298.90	0.0000	0	
				m137263								
	11			M7075T6B6.000X1.0 f		4/10/2017	4/10/2017	12.0400	\$29.02	0.0000	0	\$349.35
				00		12.0400	PLOU01		\$349.35	0.0000	0	
				7075-T6 BAR 6.000" X 1.000"	12'							
				m137263								
	12	No		M303R0.750 f	3x12'	4/10/2017	4/10/2017	36.0000	\$3.42	0.0000	0	\$123.24
				303 Round Bar 0.750 f		36.0000	PLOU01		\$123.24	0.0000	0	
				m137263								
	13			M304S14GA sf	.79	4/10/2017	4/10/2017	32.0000	\$5.21	0.0000	0	\$166.73
				304SS sheet .080		32.0000	PLOU01		\$166.73	0.0000	0	
				m137263								
	14			71401-45		4/10/2017	4/10/2017	1.0000	\$0.00	0.0000	0	\$0.00
				PROCUREMENT		1.0000	PLOU01		\$0.00	0.0000	0	
				QUALITY								
				CLAUSES								
				m137263								
Total Received Quantity:										517.0400		
Total Qty to Inspect (PO U/M):										0.0000		
Total Reject Quantity:										0.0000		
Total Receipt Value:										\$2,489.61		
Total Balance Due Quantity:										0.0000		

DAN

B I L L O F L A D I N G

No: PEC 39688

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 07Apr17 at 14:54 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC- 36629- 1 Your PO # 35853
Part # **** RML **** Rel #
STAINLESS STEEL SQ BAR 304L
1.00" X 144.0000"

Heat Number
269432

Tag No
637495

OK

Quantity
12 FT

PCS
1

Wt LBS
44

MTR

2) Our Order PEC- 36629- 2 Your PO # 35853
STAINLESS STEEL ROUND BAR 304L
.375" DIA X 144.0000"

Heat Number
313E

Tag No
637496

OK

Quantity
24 FT

PCS
2

Wt LBS
9

MTR

3) Our Order PEC- 36629- 3 Your PO # 35853
STAINLESS STEEL SHEET 304L-2B DUAL GRADE
.1200 Nom X 48.0000" X 120.0000"

Heat Number
LZ515D05

Tag No
637568

OK

Quantity
40.00 SFT

PCS
1

Wt LBS
193

MTR

4) Our Order PEC- 36629- 4 Your PO # 35853
STAINLESS STEEL SHEET 304L-2B DUAL GRADE
.0600 Nom X 48.0000" X 120.0000"

Heat Number
Y7V5

Tag No
637571

OK

Quantity
120.00 SFT

PCS
3

Wt LBS
288

MTR

5) Our Order PEC- 36629- 5 Your PO # 35853
STAINLESS STEEL SHEET 304-2B
.0360 Nom X 48.0000" X 96.0000"

Heat Number

Tag No

OK

Quantity

PCS

Wt LBS

MTR

Page: 1Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Guillaume Audain

17/04/10

DATE

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

B I L L O F L A D I N G

No: PEC 39688
Ship Date 07Apr17 at 14:54 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G
AOA010-AAD 637578

64.00 SFT

2

92

6) Our Order PEC- 36629- 6 Your PO # 35853

ALUMINUM SHEET 5052-H32

.0810 Nom X 48.0000" X 96.0000"

Heat Number

Tag No

5160810284-B-1

637579

Quantity

PCS

Wt LBS

32.00 SFT

1

36

7) Our Order PEC- 36629- 7 Your PO # 35853

ALUMINUM FLAT BAR 6061-T6511

.750" X 1.50" X 144.0000"

Heat Number

Tag No

201704900

637497

Quantity

PCS

Wt LBS

12 FT

1

16

8) Our Order PEC- 36629- 8 Your PO # 35853

ALUMINUM ROUND BAR 6061-T6511

.625" DIA X 144.0000"

Heat Number

Tag No

200529-1

637498

Quantity

PCS

Wt LBS

12 FT

1

5

9) Our Order PEC- 36629- 9 Your PO # 35853

ALUMINUM ROUND BAR 6061-T6511

.750" DIA X 144.0000"

Heat Number

Tag No

201621991

637499

Quantity

PCS

Wt LBS

24 FT

2

13

10) Our Order PEC- 36629- 10 Your PO # 35853

ALUMINUM SHEET 6061 T6

.0810 Nom X 48.0000" X 144.0000"

Heat Number

Tag No

RA27997

637564

Quantity

PCS

Wt LBS

96.00 SFT

2

109

11) Our Order PEC- 36629- 11 Your PO # 35853

Part # *** FROM PLATE

Rel #

ALUMINUM PLATE 7075-T651 DOMESTIC

1.00" THICK X 6.0000" X 144.5000"

Page: 2Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

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RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G
Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

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Probill
Via VIM DELIVERY
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Route 0- 0 Manifest
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Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

Heat Number	Tag No	Quantity	PCS	Wt LBS
9383282	637703	6.02 SET	1	96

12) Our Order PEC- 36629- 12 Your PO # 35853
STAINLESS STEEL ROUND BAR 303 STAINLESS
.750" DIA X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
226E	637500	36 FT	3	55

13) Our Order PEC- 36629- 13 Your PO # 35853
STAINLESS STEEL SHEET 304L-2B DUAL GRADE
.0750 Nom X 48.0000" X 96.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
159W	637580	32.00 SFT	1	95

TOTAL:	Tags	PCS	LBS
	13	21	1051

Heat Number

*** Chemical Analysis ***

159W
200529-1
201621991
201704900
226E
269432
313E
5160810284-B-1
9383282
AOA010-AAD
LZ515D05
RA27997
Y7V5

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT

Page: 3Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
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B I L L O F L A D I N G

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Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 2 BDLS, 3 SKIDS GW. 1339 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

***UNE SURCHARGE D'ENERGIE DE \$25.00

SERA AJOUTEE A CHAQUE COMMANDE.***

***POUR VOS BESOINS D'ACIER INOXYDABLE,

CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600

Page: 4 Last

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
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TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
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RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.



Acciaierie Valbruna S.p.A.

36100 VICENZA (Italia) - Viale della scienza, 25 z.1.
Telefono 0444.968211 - Fax 0444.963838
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4/37
Telefono 0471.924111 - Fax 0471.924497

CERTIFICATO DI COLLAUDO - ABNAHMEPRUEFZEUGNIS - INSPECTION CERTIFICATE - CERTIFICAT DE RECEPTION

In conformità a: EN 10204 (2004), 3.1

Nach/According to/Selon

Certificato nr. MEST875470 / 2016 /

Prüfung/Test/Exami

Cliente / Besteller/Purchaser/Client
VALBRUNA CANADA LTD
8724 HOLLGATE CRESCENT
L5T 5Z1 - MILTON, ONT L5T 5Z1 - CA

Stato di fornitura: Hot rolled - Annealed Cold Drawn
Lieferzustand
Delivery state
Etat de livraison

Produttore:
Herstellere/Manufacture producer
ACCIAIERIE VALBRUNA S.P.A.

Ordine nr. 603005690 STOCK

Basist
Your order
Commande

Tipo di Elaborazione: E+AOD
Erstellungsmethode
Melting process
Mode d'élaboration

Marchi di Fabbrica:
Zeichen des Lieferwerkes
Trade marks
Sigles de l'usine productrice



Conferma ordine nr: EI16002840

Werk/Das Order/Ref. nr.

Qualità: 304/304L
Werkstoff/Grade/Qualité

Funzione del Collaudatore:
Sammel des Werkstoffverständigen
Inspector's stamp/Pointon de l'essayeur

MR

Avviso di Spedizione: D-VI16013169
Lieferanzeige/Packing list/B.L.

Marca: AISL
Markenbezeichnung
Brand / Nuance

Pulznatura: 304/304L
Kernzeichnung
Marking
Marquage

SPECIFICHE:

Anforderungen / Requirements / Exigences

Note:

Anmerkungen / Notes / Notes

VSI D 304/304L A,CF
AISI 304/304L
AMS 5639 H S30400 A
AMS 5647 J S30403 A
AMS-QQ-S-783 D 304 A,CF
AMS-QQ-S-783 D 304L A,CF
ASME SA182 2015 S30400/03 A (0)
ASME SA193 2015 B8 (1)
ASME SA276 2015 S30400/03 A,CF (2)
ASME SA320 2015 B8 (3)
ASME SA479 2015 S30400/03 A (4)
ASTM A182 2015 S30400/03 A (5)
ASTM A193 2015 B8 (6)
ASTM A262 2013 PRACTICE E
ASTM A276 2015 S30400/03 A,CF
ASTM A314 2008 S30400/03
ASTM A320 2015A B8 (7)
ASTM A370 2014
ASTM A473 2001 S30400/03 (8)
ASTM A479 2015 S30400/03 A
MIL-S-862 B/1 304/304L
NACE MR0103 2010 S30400/03 A
NACE MR0175 2009 S30400/03 A (9)

(0)SECTION II P.T.A 2015 EDITION For products machined directly from bar refer to ASME SA479.
(1)SECTION II P.T.A 2015 EDITION Chemical analysis only.
(2)SECTION II P.T.A 2015 EDITION
(3)SECTION II P.T.A 2015 EDITION Chemical analysis only.
(4)SECTION II P.T.A 2015 EDITION
(5)For products machined directly from bar refer also to ASTM A479.
(6)Chemical analysis only.
(7)Chemical analysis only.
(8)Chemical analysis only.
(9)ANSI/NACE MR0175/ISO 15155-3, second edition 2009-10-15 Technical circular 1:2011 Published 2011-06-14

Tolleranza ASTM A484-15 TABLE 8

Tolleranza/Allowance/Tolérance

Pos. nr. Pos. nr. Nr. de poste	Oggetto Component Produit description Design. du produit	Dimensioni - In Abmessungen Dimension Dimension	Lunghezza - In Länge Length Longueur	Colata Struktur Juss. Coulée	Pezzi Stücke Pièces Pieces	Peso - LB Gewicht Weight Poids	Lotto nr. Lose Lot no. Lot no.
0010	Square	1,0000 x 1,0000	156/ 156	269432		4.944	601108360

Vicenza, 25/05/16

VCQ008

(Mod. MCE2)

Il collaudatore di stabilimento / der Werkstoffverständige / Works Inspector / L'agent d'usine

M. Rizzotto

Pagina - 1 di 3



Acciaierie Valbruna S.p.A.

36100 VICENZA (Italia) - Viale della scienza, 25 z.i.
Telefono 0444 968211 - Fax 0444.963836
Stab: 39100 BOLZANO (Italia) - Via A. Volta, 4/37
Telefono 0471.924111 - Fax 0471.924497

CERTIFICATO DI COLLAUDO - ABNAHMEPRUEFZEUGNIS - INSPECTION CERTIFICATE - CERTIFICAT DE RECEPTION

In conformità a: **EN 10204 (2004), 3.1**
Nach/According to/Selon

Certificato nr. **MEST875470 / 2016 /**
Prüfung/Test/Essai

Cliente / Besteller/Purchaser/Cliant
VALBRUNA CANADA LTD
8724 HOLGATE CRESCENT
L5T 5Z1 - MILTON, ONT L5T 5Z1 - CA

Stato di fornitura: **Hot rolled - Annealed Cold Drawn**
Lieferzustand
Delivery state
Etat de livraison

Produttore:
Herstellert/Usine productrice
ACCIAIERIE VALBRUNA S.P.A.

Ordine nr: **603005690 STOCK**
Bestell
Your order
Commande

Tipo di Elaborazione: **E+AOD**
Erzeugungsmethode
Melting process
Mode d'elaboration

Marchi di Fabbrica:
Zeichen des Lieferwerkes
Trade marks
Sigles de l'usine productrice

Conferma ordine nr: **E116002840**
Waren/Ou Order/Ref nr.

Qualità: **304/304L**
Werkstoff/Grade/Qualite

Punzone del Collaudatore:
Stempel des Werksachverständigen
Inspector's stamp/Plombon de l'assesseur

Avviso di Spedizione: **D-VI16013169**
Lieferanweisung/Packing list/B.L.

Marca: **AISI**
Markenbezeichnung
Brand / Marque

Punzonatura: **304/304L**
Kennzeichnung
Marking
Marquage

TEST ALLO STATO DI FORNITURA										
Test on delivery condition / Prüfung auf lieferbarem produkt / test a l'etat de fourniture / Prueba sobre el material así como entregado										
TEST	Provetta / Probe Spezialform Lieferform Shape Form Forme	°F	Prova Saggio Essai	Snervimento Deformation Yield stress Limite elastic Rp 0,2%	Snervimento Deformation Yield stress Limite elastic	Resistenza Zugfestigkeit Tensile strength Resistance à traction	Allungamento Bruchdehnung Elongation Allongement	Strizione Zugverformung Reduction of area Striction	Resilienza Kerbschlagarbeit Impact Value Resilience	Durezza Härte Hardness Dureté HB
Valori richiesti	min			30	-	75	-	40	-	140
Arbeitsanforderungen und natur Voraussetzungen	max									235
A	12,5	68	L	74		103	45	68		230

TEST ALLO STATO DI FORNITURA			
Test on delivery condition / Prüfung auf lieferbarem produkt / Test a l'etat de fourniture / Prueba sobre el material así como entregado			
TEST	min	max	
A Grain size for ASTM E112			5

Mechanical properties according to ASTM A370.

Analisi chimica												
Chemische Zusammensetzung / Chemical Analysis / Analyse chimique												
Colore / Aspect Schmelze/Guss	min	max	18,00	20,00	1,00	1,00	8,00	0,020	0,030	0,100		
	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	N %	
269432	0,020	0,37	1,74	18,23	0,53	0,73	8,00	0,129	0,033	0,029	0,096	

Corrosion test in 16% sulfuric acid and copper sulfate solutions

Test standard: **ASTM A262-Practice E**

Test	Heat treatment before test	Length of Period (h)	Test temp (°C)	Bend Angle (°)	Ø spindle (mm)	Result of visual inspection at 20 x magnification after bend test	Result
Intergranular corrosion	Sensitization	15	boil	180	5	Absence of cracks	SATISFACTORY

Produced without class I-II Ozone depleting substances.
Solution heat treated free from continuous carbide network.
Annealing temperature: 1940°F for 1 h/vater.
Micro and macro etch test: OK
Reduction ratio = 44,4 : 1
Material is DFARS Compliant

Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind: Anlege erfüllt
The material has been furnished in accordance with the requirements
Le matériel a été fourni conforme aux exigences

Controllo antimescolanza: OK
Verwachsungsprüfung: spezialanalytisch durchgeführt
Anmixing testing performed: OK
Controle antimesclage fait: r.a.s.

Controllo visivo e dimensionale: soddisfatta le esigenze
Besichtigung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional checks satisfactory
Contrôle visuel et dimensionnel: satisfaisant

Vicenza, 25/05/16
VCO008
(Mod. MCE2)

Il collaudatore di stabilimento / der Werksachverständige / Works inspector / L'agent d'usine

M. Rizzotto

Pagina - 2 di 3

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SQ BAR 304L

1.00" X 144.0000"

PART NO. **** RML ****

PO/Rel 35853

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-0396SS-001

7Apr17

Signed by: _____

Pg 3/3



Acciaierie Valbruna S.p.A.

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.
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Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4/37
Telefono 0471.924111 Fax 0471.924497

CERTIFICATO DI COLLAUDO - ABNAHMEPRUEFZEUGNIS - INSPECTION CERTIFICATE - CERTIFICAT DE RECEPTION

In conformità a: **EN 10204 (2004), 3.1**
Nach/According to/Selon

Certificato nr. **MEST875470 / 2016 /**
Prüfung/Taux/Exami

Cliente / Basteller/Purchaser/Client
VALBRUNA CANADA LTD
8724 HOLGATE CRESCENT
L5T 5Z1 - MILTON, ONT L5T 5Z1 - CA

Stato di fornitura: **Hot rolled - Annealed Cold Drawn**
Lieferzustand
Delivery state
Etat de livraison

Produttore:
Hersteller/Hersteller/Usine productrice
ACCIAIERIE VALBRUNA S.P.A.

Ordine nr: **603D05690 STOCK**
Bestell
You order
Commande

Tipo di Elaborazione: **E+AOD**
Erzschmelzungsart
Melting process
Mode d'élaboration

Marchi di Fabbrica:
Zeichen des Lieferanten
Trade marks
Sigles de l'usine productrice



Conferma ordine nr: **E16002840**
Werk/Our Order/Ref. nr.

Qualità: **304/304L**
Werkstoff/Grade/Qualité

Punziona del Collaudatore:
Stempel des Werkstoffprüfingen
Inspector's stamp/Pointon de l'essayer

MR

Avviso di Spedizione: **D-VI16013169**
Lieferanweisung/Packing Instruction

Marca: **AISL**
Markenbezeichnung
Brand / Nuance

Punzonatura: **304/304L**
Kennzeichnung
Marking
Marquage

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER ACCORDING TO ISO 9001 : 2008, ISO/TS16949 : 2009, AS 9100C

The Quality Management System is Certified acc. Pressure Equipment Directive '97/23/EC' Annex 1.s., 4.3 by TUEV and LLOYD'S. Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.

Maximal and/or Valplus grades/products are manufactured with ladle techniques to control composition, distribution, size and shape of non-metallic inclusions for improved machinability.

The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Vicenza, 25/05/16

VCC008

(Mod. MCE2)

Il collaudatore di stabilimento / der Werkstoffprüfingenige / Works Inspector / L'agent d'usine

M. Rizzotto

Pagina - 3 di 3

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL SHEET 304L-2B DUAL GRADE
1200 Nom X 48.0000" X 120.0000"
PART NO.

P.O/Ref 35853

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PEC-039688-003
7 Apr 17
Pg 1/1



INSPECTION CERTIFICATE

INVOICE NO. : F16M106
COMMODITY : PRIME COLD ROLLED STAINLESS STEEL SHEET

SPECIFICATION : AISI 304/304L ASTM A240/A480-11a ASME SA240/SA480-11a
CUSTOMER : OILBERT METAL SALES LIMITED

NO. 345, SHUN-AN RD., LUZHU DIST.,
KAOHSIUNG CITY 821, TAIWAN, (R.O.C.)
TEL NO : 886-7-697-6266
FAX NO : 886-7-697-3006
CERTIFICATE NO: F16M106
DATE OF ISSUE: 02/03/2015
PAGE: 1

SIZE	NO. of Product	Weight in KG NET	Heat No.	ID No.	Mechanical Properties Tensile Test Q1=50 mm					Chemical Composition (%)								
					Y.S. (N/mm ²)	T.S. (N/mm ²)	EL. (%)	HRB	HV	C x 100	Si x 100	Mn x 100	P x 1000	S x 1000	Ni x 100	Cr x 100	N x 100	
304/304L 2B PI																		
11GA X 48" X 96"	1	1,966	LZ515D05	41S78641A-13	327	671	50	88	183	2.4	44	89	29	2	810	1834	6	6
11GA X 48" X 96"	2	1,966	LZ515D05	41S78641A-14	327	671	50	88	183	2.4	44	89	29	2	810	1834	6	6
11GA X 48" X 96"	3	1,823	LZ515D05	41S78641A-15	327	671	50	88	183	2.4	44	89	29	2	810	1834	6	6
11GA X 48" X 120"	4	2,018	LZ515D05	41S78641A-11	327	671	50	88	183	2.4	44	89	29	2	810	1834	6	6
11GA X 48" X 120"	5	2,016	LZ515D05	41S78641A-12	327	671	50	88	183	2.4	44	89	29	2	810	1834	6	6
12GA X 48" X 96"	6	2,265	YU271054	3CS35782A-11	312	635	54	86	175	2.8	42	153	36	10	804	1816	3.6	3.6
12GA X 48" X 96"	7	2,255	YU271054	3CS35782A-12	312	635	54	86	175	2.8	42	153	36	10	804	1816	3.6	3.6
16GA X 48" X 96"	8	2,282	LZ4CIC06	41S76332A-1	318	675	53	85	171	2.6	50	102	38	3	810	1826	6.3	6.3
16GA X 48" X 96"	9	2,282	LZ4CIC06	41S76332A-2	318	675	53	85	171	2.6	50	102	38	3	810	1826	6.3	6.3
16GA X 48" X 96"	10	2,282	LZ4CIC06	41S76332A-3	318	675	53	85	171	2.6	50	102	38	3	810	1826	6.3	6.3
18GA X 48" X 96"	11	2,268	YU176300	3CS35449B-1	304	627	52	86	177	1.9	43	143	37	6	805	1807	4.2	4.2
18GA X 48" X 120"	12	2,278	YU176300	3CS35449B-2	304	627	52	86	177	1.9	43	143	37	6	805	1807	4.2	4.2
18GA X 60" X 120"	13	2,287	YU175840	3AS32290A-31	285	624	54	81	158	2.1	43	150	34	4	810	1822	4.3	4.3
20GA X 48" X 96"	14	2,254	YU268917	37S25744A-2	299	635	51	84	166	2.4	47	136	37	4	812	1828	4	4
20GA X 48" X 96"	15	2,254	YU268917	37S25744A-3	299	635	51	84	166	2.4	47	136	37	4	812	1828	4	4
20GA X 48" X 120"	16	2,254	YU268917	37S25744A-1	299	635	51	84	168	2.4	47	136	37	4	812	1828	4	4
20GA X 60" X 120"	17	2,298	LZ215B77	25S76137A-221	308	664	52	86	176	2.3	56	98	37	3	806	1832	5.8	5.8
37086																		
NO MERCURY CONTAMINATION																		
REMARKS: NO MERCURY CONTAMINATION																		

37096
NO MERCURY CONTAMINATION

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS
BEEN MADE IN ACCORDANCE WITH THE RULES OF THE MILL CERTIFIC.

THE COUNTRY OF MELT AND MANUFACTURE : TAIWAN

YIEH MAU CORP.

Manager of Quality Assurance Section

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL SHEET 304L-2B DUAL GRADE
.0600 Nom X 48.0000" X 120.0000"
PART NO.

P.O./Rel 35853

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-039688-004

7Apr17
Pg 1/1



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 176823 1 Mail To:
Customer: 007206 001 THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 5/11/2016 Page: 1
Steel: 304L
Finish: 2B
Corrosion: ASTM A262/15 A; 180Bend-OK

Your Order: PEC273632

NAS Order: WN 0076560 01

PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED. UNS 30403
ASTM A240/15b, A480/15, A666/15, ASME SA240/15, SA480/15, SA666/15
CHEM ONLY ON FOLLOWING ASTM: A276/16, A479/16, A484/15, A312/16
CHEM ONLY ON FOLLOWING ASME: SA312/13, SA479/13
AMS 551H XDRX; MIL-5059D AND3 (X CRN MEAS); MIL-4043B
NACE MR0175/ISO 15156-3:2009 A, ER0103/07; Q08766D-A X MAG PERM
MIN. SOLUTION ANNEAL TEMP 1900F, WATER QUENCHED

REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.
EN 10204:2004 3.1; RoHS 1 & 2 Compliant
Material is Free of Radioactive Contamination
Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mgt. Sys. in Conf. w/ISO 9001
*Melted & Manufactured in the USA; Mat'l is DPAE Compliant

Product Id	Coil #	Shield #	Thickness	Width	Weight	Length	Mark	Pieces	Commodity Code
03Y7V5 BA	03Y7V5 B		.0575	48.0000	2.886	120.00		30	

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)
Tab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/14a

HEAT	CM	C %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
Y7V5	DS	.0202	18.0730	.4610	1.7915	.3580	.0787	8.0040	.0340	.0010

SI %
.2175

MECHANICAL PROPERTIES

Product Id#	Coil #	1 d o i c r	UTS KSI	20C .2% YS KSI	20C ELONG %-2"	Hard RB	Tail Hard
03Y7V5 BA	03Y7V5 B	F T	98.48	50.60	50.80	88.00	87.50

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

KRIS LARK

5/11/2016

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL SHEET 304-2B
.0360 Nom X 48.0000" X 96.0000"
PART NO.

P.O./Ref 35853

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-039688-005

7Apr17
Pg 1/1

Signed by:



運錫鋼鐵股份有限公司
YUEN CHANG STAINLESS STEEL CO.,

檢驗證明書

MILL TEST CERTIFICATE

列印日期 ISSUE DATE: 2015/04/27

高雄市中區中正路235號13F
13F, No. 235 Jungliang 4th Road, Chianjin
Chiuh, Kaohsiung, Taiwan
TEL: 886-7-9695858 FAX: 886-7-9685768
http://www.yuenchang.com.tw

客戶名稱 Customer	Thyssenkrupp Steel Services A Division Of Thyssenkrupp Materials Na Inc 22355 West Eleven Mile Road Southfield MI 48033 USA																
商品描述 Desc. Of Goods	Description Of Goods And/Or Services : Prime, Cold Rolled Stainless Steel Coil/Sheets, Slitted Edge, As Per ASTM A240/A480. Grade 304, 2B Finish Grade 304, No.4 Finish, Laser PVC On One Main Side, With Back Pass Grade 304, 2B Finish, With Paper Interleaf																
項目 Item	鋼捲編號 Coil No.	爐號 Heat Numbers	鋼種 Steel Grade	表面 Finish	產品尺寸 Thickness x Width x Length (INCH)	淨重 Net Weight (KGS)											
AE004	CCBE0004-15	AOA010-AA0	304	2B	20GA x 48 x 96	1,158											
AE005	CCBE0003-05	AOA010-AA0	304	2B	20GA x 48 x 96	189											
	CCBE0004-14	AOA010-AA0	304	2B	20GA x 48 x 96	971											
AE001	CCWR0007-22	AOA005-AAH	304	2B	16GA x 48 x 96	934											
AE006	CCWR0007-23	AOA005-AAH	304	2B	16GA x 48 x 96	418											
AE003	CCCS0396-29	ANJ03-AAF	304	NO.4	20GA x 48 x 120	1,411											
化學成分 Chemical Composition / Chemical Analysis (%)																	
Item	C	Si	Mn	P	S	Cr	Ni	N	Cu	Mo	Others	機械性質 Mechanical Properties					
AE004	0.021	0.310	1.370	0.031	0.0014	18.240	8.050	0.074	0.270	0.100		T.S N/MM ²	YS(0.2%) N/MM ²	Elong (%)	HB	HRB	HV
AE005	0.021	0.310	1.370	0.031	0.0014	18.240	8.050	0.074	0.270	0.100		654	306	56.0			171.0
	0.021	0.310	1.370	0.031	0.0014	18.240	8.050	0.074	0.270	0.100		652	311	56.0			170.0
	0.021	0.310	1.370	0.031	0.0014	18.240	8.050	0.074	0.270	0.100		654	306	56.0			171.0
AE001	0.021	0.270	1.330	0.030	0.0083	18.290	8.020	0.077	0.310	0.150		668	344	49.0			187.0
AE006	0.021	0.270	1.330	0.030	0.0083	18.290	8.020	0.077	0.310	0.150		668	344	49.0			187.0
AE003	0.018	0.340	1.390	0.031	0.0054	18.200	8.030	0.074	0.270	0.100		643	280	60.0			166.0
註: 茲證明本廠所製產品, 均係材料規格製造及試驗, 並符合規格之要求。 We hereby certify that the products described herein have been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification. 本廠所製產品均符合EN10204/Type 3.1認證。 Inspection certificate in accordance with EN10204/Type 3.1. 本廠所製產品均符合ASTM A240/A480規範要求。 All the above products conform to the requirements specified in ASTM A240/A480. WE HEREBY CERTIFYING THE MATERIAL TO ASTM A240/A480 AS PER EN 10204/3.1. THYSSENKRUPP MATERIALS NA PO PEC-263720, PEC-263821																	
												QC Manager					
												David Wang					

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 5052-H32
0.0810 Nom X 48.0000" X 96.0000"
PART NO.

PO/Rel 35853

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:



BL PEC-039688-006

7Apr17
Pg 1/1

Certificate of Mill Test Results

浙江巨科铝业股份有限公司 ZHEJIANG GKO ALUMINIUM STOCK CO., LTD 产品质量证明书 MILL CERTIFICATE

TO:
Global Stainless Steel Inc.
2345 Stanfield Rd, Suite # 203
Mississauga, Ontario L4Y 3Y3, CANADA
Tel: 905-696-6960 Fax: 905-696-8696

Date: 2016-10-15
Invoice No.: GKOGSS161015
Contract No.: GKOGSS160825
Loading Port: Tianjin, China
Destination: Toronto, Canada

Certify to ALL AA Standards, ASTM B209
3003 H14 Certified to AMS/QQ A250/2, AND AMS 4008
5052 H32 Certified to AMS/QQ A250/8, AND AMS 4016
ALL Specifications to Latest Revisions

No.	Description	Alloy/ Temper	Specification (mm)	Lot/No.	N.W. (KGS)	Al	Si	Fe	Cu	Mn	Mg	Ca	Ni	Zn	Ti	T.S. Yield S.	E(%)
1	ALUMINIUM SHEET	5052H32	2.032*1219.2*2438.4	5160810284-B-3	1321	96.99	0.092	0.259	0.003	0.029	2.38	0.197	—	0.006	0.01	220	210
2	ALUMINIUM SHEET	5052H32	2.032*1219.2*2438.4	5160810284-B-2	1354	96.99	0.092	0.259	0.003	0.029	2.38	0.197	—	0.006	0.01	220	210
3	ALUMINIUM SHEET	5052H32	2.032*1219.2*2438.4	5160810284-B-1	1381	96.99	0.092	0.259	0.003	0.029	2.38	0.197	—	0.006	0.01	220	210
4	ALUMINIUM SHEET	5052H32	2.032*1219.2*2438.4	5160810284-B-4	1436	96.99	0.092	0.259	0.003	0.029	2.38	0.197	—	0.006	0.01	220	210
5	ALUMINIUM SHEET	3003H14	4.775*1219.2*2438.4	3160910127-B-1	1580	98.18	0.089	0.488	0.074	1.097	0.015	0.001	—	0.009	0.015	166	162
6	ALUMINIUM SHEET	3003H14	4.775*1219.2*2438.4	3160910127-B-3	1580	98.18	0.089	0.488	0.074	1.097	0.015	0.001	—	0.009	0.015	166	162
7	ALUMINIUM SHEET	3003H14	4.775*1219.2*2438.4	3160910127-B-2	1580	98.18	0.089	0.488	0.074	1.097	0.015	0.001	—	0.009	0.015	166	162
8	ALUMINIUM SHEET	3003H14	3.175*1219.2*2438.4	3160910129-B-4	1621	98.15	0.085	0.488	0.074	1.103	0.035	0.005	—	0.009	0.014	157	150
9	ALUMINIUM SHEET	3003H14	3.175*1219.2*2438.4	3160910129-B-3	1627	98.15	0.085	0.488	0.074	1.103	0.035	0.005	—	0.009	0.014	157	150

浙江巨科铝业股份有限公司
ZHEJIANG GKO ALUMINIUM STOCK CO., LTD



THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM FLAT BAR 6061-T6511
750" X 1.50" X 144.0000"
PART NO.

PO/Rel 35853

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-039688-007

Certificate of Mill Test Results

7Apr17
Pg 1/1



Can Do.

Service Center Metals
5850 Quality Way
Prince George, VA 23875



CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

BILL TO ThyssenKrupp Materials NA-Concord, ON	MANIFEST NUMBER 3278224	ONE NUMBER RB0113	DATE OF SHIPMENT 3/30/2017	CERTIFICATION ASTM-B221-14 StencilCont
SHIP TO ThyssenKrupp Materials NA-Concord, ON	CUSTOMER PO PEC-281950	ALLOY/TEMPER 6061-T6511	SALES PERSON D. Schroeder (Canada)	SPECIFICATION AMS-QQA-200/8 Rev-A
Quantity Certified 1,365 lbs 86 pcs	CUSTOMER PART NUMBER RB0113	DESCRIPTION SCRB 750x1.500		

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. This product is RoHS-2, REACH, and DFARS compliant.

Mechanical Properties

Tests Lot No.

2 201704900

Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
3/29/17	min 51.70 max 51.80	min 48.80 max 48.90	min 17.40 max 17.80

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Total	Melt Source:
03191705	201704900	6061	0.73	0.40	0.33	0.11	0.87	0.09	0.08	0.02	97.37	0.05	0.15	United States of America

SCM products are melted and extruded in the USA

Print Date: 3/30/2017

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511
.625" DIA X 144.0000"

PART NO.

PO/Rel 35853

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-039688-008

Certificate of Mill Test Results

7Apr17
Pg 1/1



TEL: (416)745-4444 FAX: (416)745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4

<http://www.extrudex.com>

MILL TEST

BILL TO THYSSENKRUPP MATERIALS NA	CERT CODE: 9	DIE NUMBER S 3651	DATE OF SHIPMENT Jan03/2017
SHIP TO THYSSENKRUPP MATERIALS NA	CUSTOMER PO PEC-279420	ALLOY 6061	TEMPER T6511
SD DESCRIPTION .625" DIA	CUSTOMER PART NUMBER 3651-S	SALESMAN FORBES DODWELL	

EXTRUDEX ORDER NO. 200529	MANIFEST NO. 1
MADE IN CANADA	
CERTIFICATION ASTM B221-14 - AMS QQA 200/8	

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness Rockwell F	Conductivity
A.11	6061	Dec/19/2016	44.90	41.50	21.30	89.8,89.9,90.0	

Chemical Composition

Cast Number	Lot	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
384604	A.11	6061	0.61	0.15	0.21	0.03	0.88	0.07	0	0.01	0.01	0	0	0	0	0	0	0	0	0	0	0

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

David Natale
Quality Control Manager

1 - CUSTOMER COPY

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM ROUND BAR 6061-T6511
750" DIA X 144.000"

P.O./Ref 35853

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-039688-009

7Apr17
Pg 1/1

Certificate of Mill Test Results



Can Do.

Service Center Metals
5850 Quality Way
Prince George, VA 23875



CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
282708	7

BILL TO ThyssenKrupp Materials NA-Concord, ON
SHIP TO ThyssenKrupp Materials NA-Concord, ON
Quantity Certified 1,996 lbs 320 pcs
MANIFEST NUMBER 319811
CUSTOMER PO PEC-280204
CUSTOMER PART NUMBER RD0003
DIE NUMBER RD0003
DATE OF SHIPMENT 1/17/2017
ALLOY-TEMPER 6061-T6511
SALES PERSON D. Schroeder (Canada)
DESCRIPTION Lightning Rod Tite 0.750 + .004/- .003
CERTIFICATION ASTM-B221-14 StencilCont
SPECIFICATION AMS-QQA-200/8 Rev-4

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. This product is RoHS-2, REACH, and DFARS compliant.

Mechanical Properties		Test Date		Ultimate Tensile Strength (KSI)		Yield Strength (KSI)		Percent Elongation	
Tests	Lot No.			min	max	min	max	min	max
32	201621991	12/15/16		46.80	51.90	43.30	47.30	11.10	17.90

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others	Each	Total	Melt Source:
11061603	201621991	6061	0.72	0.40	0.32	0.12	0.89	0.12	0.08	0.02	97.33	0.05	0.05	0.15	United States of America
11271605	201621991	6061	0.75	0.36	0.32	0.09	0.91	0.11	0.05	0.02	97.39	0.05	0.05	0.15	United States of America
12101601	201621991	6061	0.71	0.34	0.30	0.09	0.88	0.09	0.08	0.02	97.49	0.05	0.05	0.15	United States of America

SCM products are melted and extruded in the USA

Print Date: 1/17/2017

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 6061 T6
0810 Nom X 48.0000" X 144.0000"
PART NO.

PO/Rel 35853

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

BL PEC-039688-010

Certificate of Mill Test Results

7Apr17
Pg 1/1

Henan Xindatong Aluminum Industry Co., Ltd.

MILL TEST CERTIFICATE

Name	Lot No.	Size of Goods (lbs)	Alloy/Temper	Chemical Composition (%)											Mechanical Properties		Standard
				Si	Fe	Cu	Mn	Mg	Zn	Ti	Cr	Others		Al	Tensile Strength (MPa)	Elongation (%)	
6061 T6 ALUMINUM SHEET	RA27997	0.08"x48"x144"	6061 T6	0.296	0.495	0.267	0.089	0.992	/	0.0283	0.107	0.05	0.15	Remain	295	11.5	GB/T3880-2012
3003 H14 ALUMINUM SHEET	Z-1601N3045	0.032"x48"x96"	3003 H14	0.094	0.572	0.09	1.027	0.004	0.0046	0.031	0.0087	0.05	0.15	Remain	167	18	GB/T3880-2012
3003 H14 ALUMINUM SHEET	Z-1601N3045	0.040"x48"x96"	3003 H14	0.086	0.526	0.088	1.032	0.007	0.0052	0.022	0.009	0.05	0.15	Remain	164	23	GB/T3880-2012
3003 H14 ALUMINUM SHEET	Z-1601N3044	0.125"x48"x120"	3003 H14	0.09	0.517	0.081	1.007	0.0036	0.0053	0.017	0.0083	0.05	0.15	Remain	152	25	GB/T3880-2012

L/C REF: IDLC19687

Description of Goods and/or Services:
COVERING 100 PERCENT OF INVOICE VALUE OF GOODS AND/OR SERVICES DESCRIBED AS:
+ 5,542 METRIC TONS 6061 T6 ALUMINUM SHEET
+ 15,397 METRIC TONS 3003 H14 ALUMINUM SHEET
CIF TORONTO PORT

Inspector: Shao Jiguo

Date: Jan. 26, 2016

Henan Xindatong Aluminum Industry Co., Ltd.



THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLATE 7075-T6S1 DOMESTIC
1.00" THICK X 6.0000" X 144.5000"
PART NO. *** FROM PLATE

PO/Rel 35853

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-0396SS-011

7Apr17

Signed by: _____


Pg 1/3



CERTIFIED TEST REPORT
Constellium Rolled Products
Ravenswood, LLC

SHIP TO
COPPER & BRASS SALES
1015 SAINT JEROME STREET
MISHAWAKA IN
46544
US

SOLD TO
COPPER & BRASS SALES
PO BOX 5116
SOUTHFIELD MI
48066
US

COPPER&BR		110511375		4075		INCLUSION		Serial:20170310-0110511375		Pg 1of3	
CUSTOMER PURCHASE ORDER NO. & ITEM 5400336033						Constellium ORDER NO. 197855					
ALLOY 7075	CLAD	TEMPER T6S1	GAUGE 1.03000 in 26.16 mm	WIDTH 72.50000 in 1,842 mm	LENGTH 144.50000 in 3,670 mm		CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 25164 USA  Steve Good - Laboratory Manager				
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS QQ-A-250/12A											
PART NUMBER ALFLR00994			B/L NUMBER 77074		DATE SHIPPED 03/10/2017						
WT. SHIPPED 5900.000 LB			NO. OF PIECES 000006		GOVT. CONTRACT NO.						

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

AMS 4045K
ASTM B209-14

Load Details

Package	Net Lbs	Kg	Lot	Piece	Serial	Parent Lot
1001469818	1,150.000	521.631	9383281	01		
1001469818	1,150.000	521.631	9383281	02		
1001469818	1,150.000	521.631	9383281	03		
1001469819	1,150.000	521.631	9383282	01		
1001469819	1,150.000	521.631	9383282	02		
1001469819	1,150.000	521.631	9383282	03		

Lot: 9383281

Tensile - Room Temperature (US)

Direction	Tests	Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report
		Min	Max	Min	Max	Min	Max	
LT	02	83.1	83.6	73.3	74.3	12.0	12.5	

Tensile - Room Temperature (SI)

Direction	Tests	Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report
		Min	Max	Min	Max	Min	Max	
LT	02	573	576	505	512	12.0	12.5	

P-860-165D REVISED: 10 2014

From: ThyssenKrupp Materials NA

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLATE 7075-T651 DOMESTIC
1.00" THICK X 6.0000" X 144.5000"
PART NO. *** FROM PLATE

PO/Rel 35853

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-03968S-011

7Apr17

Signed by: 


Pg 2/3



CERTIFIED TEST REPORT
Constellium Rolled Products
Ravenswood, LLC

S H I P T O
COPPER & BRASS SALES
1015 SAINT JEROME STREET
MISHAWAKA IN
46544
US

S O L D T O
COPPER & BRASS SALES
PO BOX 5116
SOUTHFIELD MI
48086
US

COPPER&BR		110511375		4075		INCLUSION		Serial:20170310-0110511375		Pg 2of3	
CUSTOMER PURCHASE ORDER NO. & ITEM 5400336033						Constellium ORDER NO. 197855					
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.03000 in 26.16 mm	WIDTH 72.50000 in 1,842 mm	LENGTH 144.50000 in 3,670 mm		CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA  Steve Good - Laboratory Manager				
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS QQ-A-250/12A											
PART NUMBER ALFLR00994			B/L NUMBER 77074		DATE SHIPPED 03/10/2017						
WT. SHIPPED 6900.000 LB		NO. OF PIECES 000005		GOVT. CONTRACT NO.							
Chemistry (Actual)											
	SI	FE	CU	MN	MG	CR	ZN	TI	ZR		
Core	0.05	0.13	1.50	0.02	2.54	0.20	5.69	0.03	0.01		
OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER											
All material contained in this lot was cast and manufactured in the USA											
Lot: 9383282											
Tensile - Room Temperature (US)											
		Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report			
Direction	Tests	Min	Max	Min	Max	Min	Max				
LT	02	82.8	82.8	73.9	74.3	11.0	12.5				
Tensile - Room Temperature (SI)											
		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report			
Direction	Tests	Min	Max	Min	Max	Min	Max				
LT	02	571	571	510	512	11.0	12.5				

P-850-155D REVISED: 10 2014

From: ThyssenKrupp Materials NA

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLATE 7075-T651 DOMESTIC
1.00" THICK X 6.0000" X 144.5000"
PART NO. *** FROM PLATE

PO/Rel 35853

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-0396SS-011

7Apr17

Signed by: 

Pg 3/3



Constellium



CERTIFIED TEST REPORT
Constellium Rolled Products
Ravenswood, LLC

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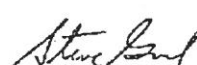
COPPER & BRASS SALES

1015 SAINT JEROME STREET
MISHAWAKA IN
46544
US

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O
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O

COPPER & BRASS SALES

PO BOX 5116
SOUTHFIELD MI
48086
US

COPPER&BR		110511375		4075		INCLUSION		Serial:20170310-0110511375		Pg 3of3	
CUSTOMER PURCHASE ORDER NO. & ITEM 5400336033						Constellium ORDER NO. 197855					
ALLOY 7075		CLAD		TEMPER T651		GAUGE 1.03000 in 26.16 mm		WIDTH 72.50000 in 1,842 mm		LENGTH 144.50000 in 3,670 mm	
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS QQ-A-250/H2A											
PART NUMBER ALFLR00994				B/L NUMBER 77074				DATE SHIPPED 03/10/2017			
WT. SHIPPED 6900.000 LB				NO. OF PIECES 000006				GOVT. CONTRACT NO.			
CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WY 26164 USA  Steve Good - Laboratory Manager											
Chemistry (Actual)											
		SI	FE	CU	MN	MG	CR	ZN	TI	ZR	
Core		0.05	0.13	1.50	0.02	2.64	0.20	5.89	0.03	0.01	
OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER											
All material contained in this lot was cast and manufactured in the USA											
QUALITY TEXTS: Constellium Rolled Products Ravenswood, LLC (Constellium) certifies that all metals and materials supplied are in compliance with European Union Directives 2002/95/EC and 2011/65/EU. Constellium further certifies that a copy of these directives, which provides restrictions on the use of certain hazardous substances (RoHS) in electrical and electronic equipment, have been received and read in their entirety. Constellium understand and agrees, as a supplier that it is responsible for meeting the requirements of the RoHS and RoHS2 directives.											
THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. CHEMISTRY BY OES: ARKSPARK CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399 WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557 DUNS Number: 090670149; CAGE Code: 1YWLS Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product. "END OF CERTIFICATION"											
P-880-155D REVISED: 10 2014											

From: ThyssenKrupp Materials NA

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL SHEET 304L-2B DUAL GRADE
.0750 Nom X 48.0000" X 96.0000"
PART NO.

P.O./Rel 35853

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

BL PEC-039688-013

7 Apr 17
Pg 1/1

Certificate of Mill Test Results



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Chenil, KY 41045-9615
(502) 347-6000

Certificate: 234736 2 Mail To:
THYSSENKRUPP MATERIALS
Customer: 007206 001 2821 LANGSTAFF ROAD
CONCORD, ON L4R5C6

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4R5C6

Date: 11/03/2016 Page: 1
Steel: 304L
Finish: 2B
Corrosion: ASTM A262/15 A; 180bend-OK

Your Order: PEC276487

NAS order: VN 0084092 05

PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED. UNS 30403
ASTM A240/15b, A480/15, A666/15, ASME SA240/15, SA480/15, SA666/15
CHEM ONLY ON FOLLOWING ASTM: A276/16, A479/16, A484/15, A312/16
CHEM ONLY ON FOLLOWING ASME: SA312/13, SA479/13
AMS 5511H XRRK; MIL-5059D AMD3(X CRN MEAS); MIL-4043B
NACE MR0175/ISO 15156-3:2009 A, MR0103/07; Q06766D-A X MAG PERM
MIN. SOLUTION ANNEAL TEMP 1900F, WATER QUENCHED

REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.
EN 10204:2004 3.1; RoHS 1 & 2 Compliant
Material is Free of Radioactive Contamination
Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mgt. Sys. in Conf. w/ISO 9001
*Melted & Manufactured in the USA; Mat'l is DEARs Compliant

Product Id	Coil #	Skid #	Thickness	Width	Weight	-----Length-----	Mark	Pieces	Commodity Code
02159W CB	02159W C		.0750	48.0000	2.382	SHEETS	096.00	25	

CHEMICAL ANALYSIS											Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323									
CM(Country of Met)											ES(Spain)		US(United States)		ZA(South Africa)		JP(Japan)		Chemical Analysis per ASTM A751/14a	
HEAT	CM	C %	CR %	CU %	MM %	MO %	N %	NI %	P %	S %										
159W	US	.0190	18.0030	.4130	1.7930	.3060	.0724	8.0210	.0300	.0010										

MECHANICAL PROPERTIES

Product Id#	Coil #	1 d o i c i	UTS KSI	20C .2% YS KSI	20C ELONG % 2"	Hard RB	Tail Hard
02159W CB	02159W C	F T	98.45	50.91	44.75	90.00	87.50

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

KRIS JARR

11/03/2016

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL ROUND BAR 304L
375" DIA X 144.0000"
PART NO.

PO/Rel 35853

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-039688-002

7Apr17
Pg 1/1



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 276490 2 Mail To:

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 3/23/2017 Page: 1

Steel: 604/304L

Finish: CD

Corrosion: ASTM A262-10 Prac A/R OK

Your Order: PEC280739

NAS Order: PN 0076825 01

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
UNS 30400/30403 EN 10204 3.1, ASTM A484/15
ASTM A276/16, ASTM A479/16, ASTM A182/13 CHEM ONLY,
ASME SA479/13, ASME SA182/10 CHEM ONLY
AMS 5639H, AMS 5647C, AMS QQS-763D, QQS-763F, ASTM F899/11
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/08 CL 1 GR B8
ASTM A193/10A-ASME SA193/10 CL 1 GR B8

REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 EU DIRECTIVE
2011/65/EU, ROHS, EAF+AOD+CC, NO WELD REPAIR, WELDED AND WEG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product ID	Shield #	Diameter	Size	Weight	-----Length-----	Mark	Pieces	Commodity Code
B15778 6		.3750		1,216	144.00	21	1	

CHEMICAL ANALYSIS											CM(Country of Met)	ES(Spain)	US(United States)	ZA(South Africa)	JP(Japan)	Chemical Analysis per ASTM A751/14a
AMS Heat	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %						
313E	US	.0215	.1885	18.2225	.5325	1.3320	.3125	.0728	8.5530	.0300						

S %	SI %
.0240	.2255

MECHANICAL PROPERTIES

Product ID	1 d o i d i	HB No.	.2YS KSI	UTS KSI	RA %	Ring % 2"
B15778 6	RL	237.0	97.27	111.36	68.40	38.30

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy
of the test methods used, the material meets the specifications stated. These results relate only to the items
tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

KRIS MARK

3/23/2017

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL ROUND BAR 303 STAINLESS
.750" DIA X 144.000"
PART NO.

P.O./Ref 35853

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-039688-012

7Apr17
Pg 1/1



North American Stainless Canada Inc.
740 Imperial Road North
Caulph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 275322 2 Mail To:

Customer: 007206 001 THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 3/20/2017 Page: 1

Steel: 303

Finish: CD

Corrosion:

Your Order: PEC282004

NAS Order: IN 0244773 01

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
UNS 30300, ASTM A582/L2 EN 10204 3.1, ASTM A484/L5
AMS 5640V TYPE 1, QCS-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 EU DIRECTIVE
2011/65/EU ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Slid #	Diameter	Size	Weight	-----Length-----	Mark	Pieces	Commodity Code
B13895 8		.7500		602	144.00	8	1	

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/14a

MS Heat

226E

CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
US	.0337	.1140	17.0490	.3350	1.8470	.3820	.0410	8.4710	.0265
S %	SI %								
.3185	.4420								

MECHANICAL PROPERTIES

Product Id	1 d o i c r	HB	.2YS KSI	UTS KSI	RA %	ELng % 4D
B13895 8	R L	220.0	64.19	86.49	54.60	34.51

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

XPIS LAB

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S16GA
 DATE: 17-04-11

PO / BATCH NO.: P035853/M137263

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 12054FT
 QUANTITY INSPECTED: 12054FT
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .60
 THICKNESS RECEIVED: .60
 SHEET SIZE ORDERED: 4x10
 SHEET SIZE RECEIVED: 4x10

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT MATERIAL	Y	N	ASTM A240
CORRECT REF # TO LINK CERT	Y	N	47 #X7V5
CORRECT MATERIAL IDENTIFICATION	Y	N	
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>CA</u> DATE: <u>17-04-11</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MC061765.080
DATE: 17-04-11

PO / BATCH NO.: P035853 / M137263

MATERIAL CERT REC'D: yes
QUANTITY RECEIVED: 96 S.F.
QUANTITY INSPECTED: 8
QUANTITY REJECTED: 0

THICKNESS ORDERED: .080
THICKNESS RECEIVED: .080
SHEET SIZE ORDERED: 4'x12'
SHEET SIZE RECEIVED: 4'x12'

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	
CORRECT REF # TO LINK CERT	(Y) N	HT # RA27997
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>CB</u>	<u>38</u> 9-89	SIGNED OFF BY: _____	
DATE: <u>17-04-11</u>		DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S116A
 DATE: 17-04-11

PO / BATCH NO.: PO 35853/M 137263

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 4050FT
 QUANTITY INSPECTED: 4050FT
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .125
 THICKNESS RECEIVED: .123
 SHEET SIZE ORDERED: 4x10
 SHEET SIZE RECEIVED: 4x10

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	N	
CORROSION	Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	N	Asm A240
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	N	HT# L2515D05
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>17-04-11 ebs</u> 38 9-89	SIGNED OFF BY: _____
DATE: _____	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M30320.750
DATE: 17-04-10

PO / BATCH NO: 7035853/M137263

MATERIAL CERT REC'D: Yes
QUANTITY RECEIVED: 3x12'
QUANTITY INSPECTED: 3x12'
QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.750
THICKNESS RECEIVED: 1.750
SHEET SIZE ORDERED: 0
SHEET SIZE RECEIVED: 0

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	Y	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	226E
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: _____	SIGNED OFF BY: _____		
DATE: <u>Apr 10 2017</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M7075TG B6.00 0Y1.00

PO / BATCH NO: P035853 / M137263

DATE: 17-04-10

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: 6.020 x 1.020

QUANTITY RECEIVED: 1 x 12'

THICKNESS RECEIVED: 6.020 x 1.020

QUANTITY INSPECTED: 1 x 12'

SHEET SIZE ORDERED: Ø

QUANTITY REJECTED: Ø

SHEET SIZE RECEIVED: Ø

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT REF # TO LINK CERT	Y	N	
CORRECT MATERIAL IDENTIFICATION	Y	N	H: 9383282
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>38 2-88</u> DATE: <u>APR 10 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061620.750

PO / BATCH NO.: _____

DATE: 17-04-10

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: .750

QUANTITY RECEIVED: 2x12'

THICKNESS RECEIVED: .750

QUANTITY INSPECTED: 2x12'

SHEET SIZE ORDERED: Ø

QUANTITY REJECTED: Ø

SHEET SIZE RECEIVED: Ø

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	Y	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	H: 20/621991
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 38 APR 10 2017</u> DATE: _____	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6R0.625

PO / BATCH NO: PO 35853/M187263

DATE: 17-04-10

MATERIAL CERT REC'D: Yes

THICKNESS ORDERED: .625

QUANTITY RECEIVED: 1x12'

THICKNESS RECEIVED: 1.625

QUANTITY INSPECTED: 1x12'

SHEET SIZE ORDERED: Ø

QUANTITY REJECTED: Ø

SHEET SIZE RECEIVED: Ø

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	Y	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	H: 200529
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>38</u> DATE: <u>APP 10 2017</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6B0.750x01.500

PO / BATCH NO: P035853/M137263

DATE: 17-04-10

MATERIAL CERT REC'D: Yes

THICKNESS ORDERED: .750x1.50

QUANTITY RECEIVED: 1x12'

THICKNESS RECEIVED: .750x1.50

QUANTITY INSPECTED: 1x12'

SHEET SIZE ORDERED: Ø

QUANTITY REJECTED: Ø

SHEET SIZE RECEIVED: Ø

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	Y	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	H: 201704900
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 38</u> DATE: <u>APR 10 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M30420.375
 DATE: 17-04-10

PO / BATCH NO: PO 35853/M137263

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 2 x 12'
 QUANTITY INSPECTED: 2 x 12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.375
 THICKNESS RECEIVED: 0.375
 SHEET SIZE ORDERED: 0
 SHEET SIZE RECEIVED: 0

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	Y	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	H: 3136
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	3
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 38</u> DATE: <u>Apr 10 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M 304B 1.000 X 1.000

PO / BATCH NO.: PO 35853 / M137263

DATE: 17-04-10

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 1 X 12^{ft}
 QUANTITY INSPECTED: 1 X 12^{ft}
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.00 X 1.00
 THICKNESS RECEIVED: 1.00 X 1.00
 SHEET SIZE ORDERED: 8
 SHEET SIZE RECEIVED: 8

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	N	
CORROSION	Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	N	H: 269432
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>38</u> DATE: <u>APR 10 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S14GA
DATE: 1704-11

PO / BATCH NO.: P035853/M137263

MATERIAL CERT REC'D: YES
QUANTITY RECEIVED: 3250FT
QUANTITY INSPECTED: 3250FT
QUANTITY REJECTED: 0

THICKNESS ORDERED: .080
THICKNESS RECEIVED: .079
SHEET SIZE ORDERED: 4X8
SHEET SIZE RECEIVED: 4X8

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	N	
CORROSION	Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	N	ASTM A240
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	N	HT #159W
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>CB</u>	DAS <u>38</u> 9-BS	SIGNED OFF BY: _____
DATE: <u>17-04-11</u>		DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M5052H325080
 DATE: 17-04-11

PO / BATCH NO.: P035853/M137263

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 3259ft
 QUANTITY INSPECTED: 3259ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 080
 THICKNESS RECEIVED: 079
 SHEET SIZE ORDERED: 4x8
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/>	N	
CORROSION	Y	<input checked="" type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/>	N	
CORRECT MATERIAL	<input checked="" type="radio"/>	N	
CORRECT THICKNESS	<input checked="" type="radio"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/>	
CORRECT MATERIAL	<input checked="" type="radio"/>	N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/>	N	ASTM B209 H# #5160818284-B-1
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/>	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>CB</u>	DAS <u>38</u> <small>3-88</small>	SIGNED OFF BY: _____
DATE: <u>17-04-11</u>		DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304520GA
 DATE: 17-04-11

PO / BATCH NO.: P035853/M137263

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 6454ft
 QUANTITY INSPECTED: 6454ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .040
 THICKNESS RECEIVED: .038
 SHEET SIZE ORDERED: 4x8
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	Y	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	ASTM A240 #1 # ACAC10-A4D
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>CB</u> 38 2-89	SIGNED OFF BY: _____		
DATE: <u>17-04-11</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35853**

Purchase Order Date 4/5/2017

PO Print Date 4/5/2017

Page Number 1 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

APR 05 2017

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
		Customer Tax #	10127-2607
Ship To Contact		Terms	Net 30
Ship To Phone		Currency	CAD
Ship Via:	VENDOR'S TRUCK	FOB	FCA - (Free Carrier)
Ship Acct:			

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M304B1.000X1.000	304 bar 1.00 x 1.00	4/12/2017 Yes 4/12/2017		12.00 f	\$19.69	\$236.25

MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS
AS PER ASTM A276 OR ASTM A240

NOTE: AISI 303 NOT ACCEPTABLE

Line Total: \$236.25

2	M304R0.375	304 ROUND BAR 0.375	4/12/2017 Yes 4/12/2017		24.00 f	\$2.29	\$55.00
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MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276

(NOTE: AISI 303 NOT ACCEPTABLE)

Line Total: \$55.00

PO Instructions: quotation pec st-36372

Note:

4/5/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35853**

Purchase Order Date 4/5/2017

PO Print Date 4/5/2017

Page Number 2 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444
Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

3	M304S11GA ✓	304/316 0.125 Sheet	4/12/2017	32.00	\$13.25	\$424.00
			Yes	sf		
			4/12/2017			

PURCHASE MATERIAL: AIS1 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

recu 40 sf.

Line Total: \$424.00

4	M304S16GA ✓	304/316 Sheet .063 ✓	4/12/2017	120.00	\$5.33	\$640.14
			Yes	sf		
			4/12/2017			

PURCHASE MATERIAL: AIS1 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

SP17-4-10.

Line Total: \$640.14

PO Instructions: quotation pec st-36372

Note:

4/5/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35853**

Purchase Order Date 4/5/2017

PO Print Date 4/5/2017

Page Number 3 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

5	M304S20GA	304/316 .040 Sheet	4/12/2017 Yes 4/12/2017	64.00 sf	\$4.79	\$306.60
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PURCHASE MATERIAL: AIS1 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

Line Total: \$306.60

6	M5052H32S.080	5052-H32 .080 Sheet	4/12/2017 Yes 4/12/2017	32.00 sf	\$3.50	\$112.00
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MATERIAL: 5052-H32 ALUMINUM SHEET AS PER
QQ-A-250/8 OR AMS-QQ-A-250/8 OR AMS 4016 OR ASTM B209

Line Total: \$112.00

7	M6061T6B0.750X01.500	6061-T6 Bar .750 X 1.50	4/12/2017 Yes 4/12/2017	12.00 f	\$5.62	\$67.44
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MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

6074-10

PO Instructions: quotation pec st-36372

Note:

4/5/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35853**

Purchase Order Date 4/5/2017

PO Print Date 4/5/2017

Page Number 4 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

8 M6061T6R0.625 6061-T6 Round Bar .625" 4/12/2017
Yes
4/12/2017

12.00 f 4.58 \$55.00

Line Total: \$67.44

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

9 M6061T6R0.750 6061-T6 Round Bar .750" 4/12/2017
Yes
4/12/2017

24.00 f 2.60 \$62.50

Line Total: \$55.00

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$62.50

88174-10

PO Instructions: quotation pec st-36372

Note:

4/5/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35853**

Purchase Order Date 4/5/2017

PO Print Date 4/5/2017

Page Number 5 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

10	M6061T6S.080	6061-T6 .080 Sheet	4/12/2017	96.00	\$4.14	\$397.85
			Yes	sf		
			4/12/2017			

MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER
QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
OR ASTM B209

Line Total: \$397.85

11	M7075T6B6.000X1.000	7075-T6 BAR 6.000" X 1.000"	4/12/2017	12.04	\$38.62	\$465.00
			Yes	f		
			4/12/2017			

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Line Total: \$465.00

12	M303R0.750	303 Round Bar 0.750	4/12/2017	36.00	\$4.56	\$164.04
			Yes	f		
			4/12/2017			

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

PO Instructions: quotation pec st-36372

Note:

SP17410



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO35853

Purchase Order Date 4/5/2017

PO Print Date 4/5/2017

Page Number 6 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Total: \$164.04

13	M304S14GA	304SS sheet .080	4/12/2017	32.00	\$6.94	\$221.92
			Yes	sf		
			4/12/2017			

PURCHASE MATERIAL: AIS1 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

Line Total: \$221.92

14	71401-45	PROCUREMENT QUALITY CLAUSES	4/12/2017	1.00	\$0.00	\$0.00
			No			
			4/12/2017			

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

SP174-10

PO Instructions: quotation pec st-36372

Note:

4/5/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO35853

Purchase Order Date 4/5/2017

PO Print Date 4/5/2017

Page Number 7 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA – (Free Carrier)

Line Total: \$0.00

PO Total: \$3,207.74

PO Instructions: quotation pec st-36372

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 4/5/2017